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## Index to recent Literature relating to American Botany

- Arthur, J. C. & Holway, E. D. W.** Descriptions of American Uredineae.—II. Bull. Lab. Nat. Hist. Iowa, **4**: 377-402. *pl.* 4-12. D. 1898.  
Text for Fascicle 2 Uredineae exsiccatae et icones of same authors.
- Atkinson, G. F.** Method of teaching Botany in the secondary Schools. Asa Gray Bull. **6**: 102-106. D. 1898.
- Baker, J. G.** *Fritillaria pluriflora*. Curt. Bot. Mag. **54**: *pl.* 7631. D. 1898.  
Native of Northern California.
- Beal, W. J.** Seed Dispersal. 12mo, pp. 89. *f.* 1-65. Boston, 1898.
- Boyer, C. S.** New Species of Diatoms. Proc. Phila. Acad. 1898: 468-470. *pl.* 24. 1898.  
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- Brandegge, T. S.** New Species Plants of from Mexico. Erythea, **7**: 1-9. 5 Ja. 1899.  
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- Campbell, D. H.** Lectures on the Evolution of Plants. 12mo, pp. 319. *f.* 1-60. 1899.
- Chesnut, V. K.** Thirty poisonous Plants of the United States. U. S. Dep. Agric., Farmer's Bull. **86**: 1-32. *f.* 1-24. 1898.
- Cratty, R. I.** The Iowa Sedges. Bull. Lab. Nat. Hist. Iowa, **4**: 313-375. *pl.* 1-10. D. 1898.
- Davis, B. M.** Kerntheilung in der Tetrasporenmutterzelle bei *Coralina officinalis* L. var. *mediterranea*. Ber. deutsch. Bot. Ges. **16**: 266-272. *pl.* 16-17. N. 1898.
- Galbraith, S. J.** Vanilla culture as practiced in the Seychelles Islands. Bull. U. S. Dep. Agric. (Div. Botany) **21**: 1-24. *pl.* 1. *f.* 1-2. 1898.
- Gilbert, B. D.** Revision of the Bermuda Ferns. Bull. Torr. Bot. Club, **25**: 593-604. 16 D. 1898.  
*Adiantum bellum* Walsingense, var. nov.
- Greene, E. L.** New western Species of Roses. Pittonia, **4**: 10-14. 31 Ja. 1899.

**Greene, E. L.** New Choripetalous Exogens. *Pittonia*, **4**: 14-16. 31 Ja. 1899; 17-21. 7 F. 1899.

New species in *Aquilegia*, *Ranunculus*, *Cleome*, *Draba*, *Thelypodium* and *Ame-lanchier*.

**Gueguen, F.** Recherches sur les organismes mycéliens des solutions pharmaceutiques. Études biologiques sur le *Penicillium glaucum*. Bull. Soc. Myc. France, **14**: 201-255. *pl.* 13-16. 31 N. 1898.

**Halsted, B. D.** Exposure and fungous Diseases. Bull. Torr. Bot. Club, **25**: 622-625. 16 D. 1898.

**Hanausek, T. F.** Vorläufige Mittheilung über den von A. Voge in der Frucht von *Lolium temulentum* entdeckten Pilz. Ber. deutsch. Bot. Ges. **16**: 203-207. N. 1898.

**Hasse, H. E.** New species of Lichens from Southern California, determined by Professor Nylander. Bull. Torr. Bot. Club, **25**: 632, 633. 16 D. 1898.

*Lecanora praecrenata*, *Arthonia pruinosella*, *Thelopsis subporinella*, *Lecidea tri-phragmioides*, sp. nov.

**Heller, A. A.** New and interesting Plants from Western North America. Bull. Torr. Bot. Club, **25**: 626-629. 16 D. 1898.

*Fendlerella* and *MacDougalia*, new genera, based respectively upon *Whipplea Utahensis* S. Wats. and *Actinella Bigelovii* A. Gray; new species and new names in *Linum*, *Galium* and *Erigeron*.

**Hooker, J. D.** *Lewisia Tweedyi*. Curt. Bot. Mag. **55**: *pl.* 7633. Ja. 1899.

Native of Washington.

**Hooker, J. D.** *Meconopsis heterophylla*. Curt. Bot. Mag. **55**: *pl.* 7636. Ja. 1899.

Native of California.

**Hollick, A.** The Relation between Forestry and Geology in New Jersey. Am. Nat. **33**: 1-14, *pl.* Ja. 1899.

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**Jenman, G. S.** Ferns: Synoptical List LVII. Bull. Bot. Department, Jamaica, **5**: 272-277. 30. Ja. 1899.

Includes Salvineae and Gleichenieae.

**Jones, L. R. & Orton, W. A.** Report of the Botanists. Rep. Vt. Agric. Exper. Sta. **11**: 189-236. 1898. [Illust.]

Contains among other matter, a partial list of Parasitic Fungi of Vermont, and Notes upon Vermont weeds.

- Lawson, A. A.** Some Observations on the Development of the karyokinetic Spindle in the Pollen-Mother-Cells of *Cobaea scandens* Cav. Proc. Cal. Acad. Sci. (Botany) 1: 169-188, *pl.* 33-36. 17 N. 1898.
- Levier, E.** Le cas du Docteur Otto Kuntze. 8vo. pp. 1-12. Florence, 1898.
- Macoun, J. M.** Notes on some Ottawa Violets. Ottawa Nat. 12: 181-187. Ja. 1899.
- Maire, R.** Note sur la développement saprophytique et sur la structure cytologique des sporidies-levûres chez l'*Ustilago maydis*. Bull. Soc. Myc. France, 14: 161-173. *pl.* 12. 31 N. 1898.
- Malme, G. O. A. N.** Die Xyridaceen Paraguays. Bull. Herb. Boiss. 7: 75-78. 24 Ja. 1899.
- Meehan, T.** *Chimaphila maculata*. Meehan's Month. 9: 1-2, *pl.* 1. Ja. 1899.
- Nestler, A.** Ueber einen in der Frucht von *Lolium temulentum* L. vorkommenden Pilz. Ber. deutsch. Bot. Ges. 16: 207-214. *pl.* 13. N. 1898.
- Orcutt, C. R.** Review of the Cactaceae of the United States. II. 35-56. 20 Ja. 1899.
- Peck, C. H.** Report of State Botanist, 1897. Rep. New York State Museum, 51: 267-321. *pl. A. B.* 50-56. 1898.  
New species in *Lepiota*, *Clitocybe*, *Mycena*, *Omphalia* (2), *Marasmius* (3), *Leptonia*, *Pholiota* (2), *Inocybe* (2), *Flammula*, *Tubaria*, *Deconica*, *Gomphidius*, *Hygrophorus*, *Clavaria*, *Boletus*, *Poria*, *Isaria*, *Exoascus*, *Hypocrea*, and *Sphaerella*. Quarto plates represent mostly edible fungi.
- Price, S. F.** Trees and Shrubs of Kentucky. 6 pp. 1898.
- Rothrock, J. T.** *Magnolia glauca*. Forest Leaves, 7: 8-9. *pl.* 1-2. F. 1899.
- Small, J. K.** Studies in the Botany of the Southern United States.—XV. Bull. Torr. Bot. Club, 25: 605-621. 16 D. 1898.  
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- Smith, J. D.** An Enumeration of the Plants collected in Central America by Dr. W. C. Shannon. Intercontinental Railway Commission, 1<sup>2</sup>: Appendix III. 1-24. 1898.
- Sodiolo, A.** Plantae Ecuadorenses I. Bot. Jahrb. Engler, 25: 722-733. 23 D. 1898.  
New species by Gilg, Schumann and Pilger.

- Stevens, W. C.** Ueber Chromosomentheilung bei der Sporenbildung der Farne. Ber. deutsch. Bot. Ges. **16**: 261-265. *pl.* 15. N. 1898.
- Suksdorf, W. N.** Washingtonische Pflanzen. Deutsche Monats. **14**: 220-222. D. 1898.  
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- Underwood, L. M.** Two recently named Genera of Basidiomycetes. Bull. Torr. Bot. Club, **25**: 630, 631. 16 D. 1898.  
Proposes *Pycnodon* as a substitute for the preoccupied *Kneiffia* of Fries (= *Kneiffiella* Underw., P. Henn., not of Karst.), and holds to *Boletinus* Kalchbr. as the only tenable name for the recently proposed *Boletopsis* P. Henn.
- Van Wisselingh, C.** Ueber den Nucleolus von *Spirogyra*. Bot. Zeitung, **56**: 195-226. *pl.* 10. 1 D. 1898.
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- Wieler, A.** Die Function der Pneumathoden und des Aërenchyms. Jahrb. wiss. Bot. **32**: 501-524. *pl.* 7. 1898.
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